

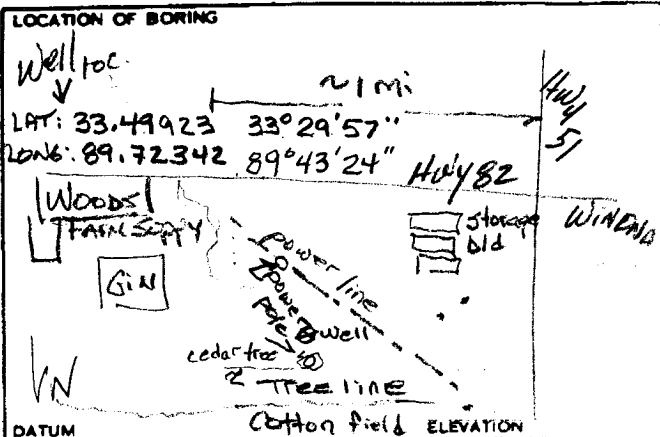
WELL CONSTRUCTION LOG F0034 @ MONTGOMERY CO

WELL LOCATION Montgomery Co (Winona)
 DATE INSTALLED Oct 1, 2010 Row Wood
 TYPE OF WELL 2" PVC SCH 40' Woods Farm Supply

<ol style="list-style-type: none"> 1. HEIGHT OF CASING ABOVE GROUND <u>FLUSH</u> 2. WATER SURFACE ELEV. _____ a) DEPTH TO SATURATED ZONE <u>23'</u> 3. TOP OF CASING ELEV. _____ 4. PROTECTIVE CASING <u>YES</u> NO _____ a) CASING LENGTH <u>33' PVC</u> 5. LENGTH OF SCREEN <u>10 ft</u> 6. SIZE\TYPE OF SCREEN <u>.010 slotted</u> 7. LENGTH OF SUMP _____ 8. TOTAL DEPTH OF BORING <u>33'</u> HOLE DIAMETER <u>8"</u> 9. SCREENED INTERVAL <u>23'-33 ft</u> 10. TYPE OF SCREEN FILTER PACK <u>coarse sand</u> QUANTITY USED <u>1 50#</u> SIZE <u>20/30</u> U/C _____ 11. DEPTH TO TOP OF FILTER <u>21'</u> 12. TYPE OF SEAL <u>bentonite chips</u> QUANTITY USED <u>1 50# bag</u> 13. DEPTH TO TOP OF SEAL <u>18 ft bls</u> 14. TYPE OF GROUT <u>Portland 3/1 bentonite powder</u> GROUT MIXTURE <u>3/1</u> METHOD OF PLACEMENT <u>pumped</u> 15. COMMENTS <u>Well in fine sand</u> 	<p style="text-align: center;">INSTALLATION DESCRIPTION</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 40%;">DEPTH (FT.)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">— ∅</td> <td></td> </tr> <tr> <td style="text-align: center;">— 2' portland to within 2' surf.</td> <td></td> </tr> <tr> <td style="text-align: center;">Top of log</td> <td></td> </tr> <tr> <td style="text-align: center;">Top of fac</td> <td></td> </tr> <tr> <td style="text-align: center;">coarse sand pac</td> <td></td> </tr> <tr> <td style="text-align: center;">18 bent</td> <td></td> </tr> <tr> <td style="text-align: center;">21</td> <td></td> </tr> <tr> <td style="text-align: center;">23 Top screen</td> <td></td> </tr> <tr> <td style="text-align: center;">33 base of hole</td> <td></td> </tr> <tr> <td style="text-align: center;">Flat btm cap</td> <td></td> </tr> </tbody> </table>	DESCRIPTION	DEPTH (FT.)	— ∅		— 2' portland to within 2' surf.		Top of log		Top of fac		coarse sand pac		18 bent		21		23 Top screen		33 base of hole		Flat btm cap	
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WL after grout = HEAD 18.00
 2.85 wet = 15.15 bls
 174 ft water

F0034



JOB NO.	CLIENT	LOCATION
	MR Row Wood	Montgomery Co
DRILLING METHOD:		BORING NO.
Hollow Stem		
SAMPLING METHOD: 5' intervals		SHEET
Sample taken @ ATM		1 OF 1
WATER LEVEL	15.2	DRILLING
TIME	1115	START TIME
DATE	10/1/10	FINISH TIME
CASING DEPTH	23	DATE
		11/01/10 11/01/10

DRILLING CONTR. TRI-STATE TESTING

BY M. MANNING
 DATE 10/1/2010 CHK'D BY

SAMPLER TYPE	INCHES DRIVER RECOVERED	DEPTH OF CASING	SAMPLE NO. SAMPLE DEPTH	BLOWS/FT. SAMPLER	VAPOR CONCENTRATIONS (PPM)	DEPTH IN FEET	SOIL GRAPH	SURFACE CONDITIONS:
								Grassy Hay on tree line mild-warm sunny 10-1-10 @ 1115
						0		0-3' silty organic mostly silt 1' dry then fine silt 10yr 3/3 @ 2 then mottled silty clay @ 3 10yr 5/6 base
						1		
						2		3-8' mostly clay with silt med yellowish brown 2.5y 5/4 with mottled grey clay 10yr 4/1 dry then moist @ 8'
						3		
						4		8-13' silty clay med brown 10yr 5/4 to 11' then yellowish orange br. clay 10yr 5/6 mottled w/ grey clay as 3-8 above dry to moist
						5		
						6		
						7		13-18' same as above to 15' then 4-5 grey clay as above then reddish orange dry silt clay w/ black 2.5y 2.5/1 organics @ 13- moist - to dry @ 18
						8		
						9		
						10		18-23' sandy clay med grey 2.5y 7/1 moist to 21 then fine sandy clay reddish orange brown 2.5y 5/6
						11		
						12		
						13		23-28' clay - mottled med brown w/ orangish brown then to sandy clay mostly clay @ 26' grey clay @ tip is 7.5yr 6/1, loose end
						14		All wet going 1 more test sec
						15		
						16		28-33' clay silty to 30 mix sandy clay 10yr 4/1 wet mostly sand med-coarse @ 20'
						17		
						18		above WL rough 12' water
						19		set 35'
						20		